

## CLAIMS

We claim:

1    1. A data processing system for analyzing billing indices regarding billed  
2    telecommunications items comprising:

3                data input means for receiving the telecommunications bills;

4                means for storing a database of pre-determined billing indices;

5                a processor including:

6                    means for comparing the billed indices from the

7                    telecommunications bill against of the pre-determined indices,

8                    means for identifying billing discrepancies between the billed

9                    indices and the pre-determined indices, and

10                  means for generating deprovision requests and billing disputes

11                  based upon the billing discrepancies; and

12                  data output means for transmitting the deprovision requests and the billing  
13                  disputes.

2    2. The system recited in claim 1, wherein the processor further includes means for  
determining and correcting errors in the database of pre-determined billing indices.

2    3. The system recited in claim 1, wherein the processor further includes means for  
identifying installed telecommunication components that are not included as the billed  
3    telecommunication items and for accruing the un-included installed telecommunication  
4    components.

1    4. A method for analyzing billing items in telecommunications bills received by a  
2    consumer from a vendor, comprising the steps of:

3                extracting data from the telecommunication bills;

4                identifying non-existent billing item components in the telecommunication bills by  
5    comparing the billing item components in the telecommunication bills to an existing  
6    component database;

7           determining erroneous billing item rates in the telecommunication bills by

8       comparing the billing item rates in the telecommunication bills to rate data stored in a  
9       rate database;

10          determining erroneous billing item quantities in the telecommunications bills by

11       comparing the billing item quantities in the telecommunication bills to quantity data  
12       stored in a quantity database;

13          generating a billing dispute for the billing items based upon the non-existent

14       billing item components, erroneous billing item rates and erroneous billing item  
15       quantities.

1       5.      The method recited in claim 4 further comprising the steps of:

2           generating deprovision requests to the vendors based upon the non-existent  
3        billing item components.

4       6.      The method recited in claim 4 further comprising the steps of:

5           determining and correcting errors in the existing component database.

6       7.      The method recited in claim 4 further comprising the steps of:

7           identifying installed components from the existing component database that are  
8       not included as billing item components in the telecommunication bills; and

9           accruing the un-included installed components.

1       8.      The method recited in claim 4 wherein the quantity database contains component  
2       usage and component configuration data.

1       9.      A system for analyzing billing items in telecommunications bills received by a  
2       consumer from a vendor, comprising the steps of:

3           a existing component database containing data identifying existing components;

4           a rate database containing data identifying billing rates for the existing components;

5           a quantity database containing data identifying quantities of the existing  
6        components;

7           means for receiving and extracting data from the telecommunication bills;

8           means for comparing the billing item components in the telecommunication bills  
9        to the existing component database to identify non-existent billing item components in  
10      the telecommunication bills;

11          means for comparing the billing item rates in the telecommunication bills to the  
12        rate database to determine erroneous billing item rates in the telecommunication bills;

13          means for comparing the billing item quantities in the telecommunication bills to  
14        the quantity database to determine erroneous billing item quantities in the  
15      telecommunications bills;

16          means for disputing the billing items based upon the non-existent billing item  
17        components, erroneous billing item rates and erroneous billing item quantities.

1       10. The system recited in claim 9 further comprising:

2           means for generating deprovision requests to the vendors based upon the non-  
3        existent billing item components.

1       11. The system recited in claim 9 further comprising:

2           means for determining and correcting errors in the existing component database.

1       12. The system recited in claim 9 further comprising:

2           means for identifying installed components from the existing component  
3        database that are not included as billing item components in the telecommunication  
4        bills; and

5           means for accruing the un-included installed components in an accounting  
6        system of the consumer.

1    13. The system recited in claim 9 wherein the quantity database contains component  
2    usage and component configuration data.

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